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**RSPB** first book of  
trees

Derek Niemann





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# RSPB first book of trees

Derek Niemann



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sustainable forests.

# Trees

Trees grow in all shapes and sizes. Some  
are taller than houses. Some are little  
bushes. Some are skinny. Others have  
really thick trunks!

This book will help you name many of  
the trees you will see in towns, cities  
and the countryside. Find out about their  
flowers and their fruit. Learn about the  
shapes of their leaves. Which tree gives  
us hazelnuts? And does a hornbeam  
tree really have horns?

At the back of this book is a Spotter's Guide  
to help you remember the trees you find.  
You could also draw them in summer and  
winter. Why not collect the fallen leaves?

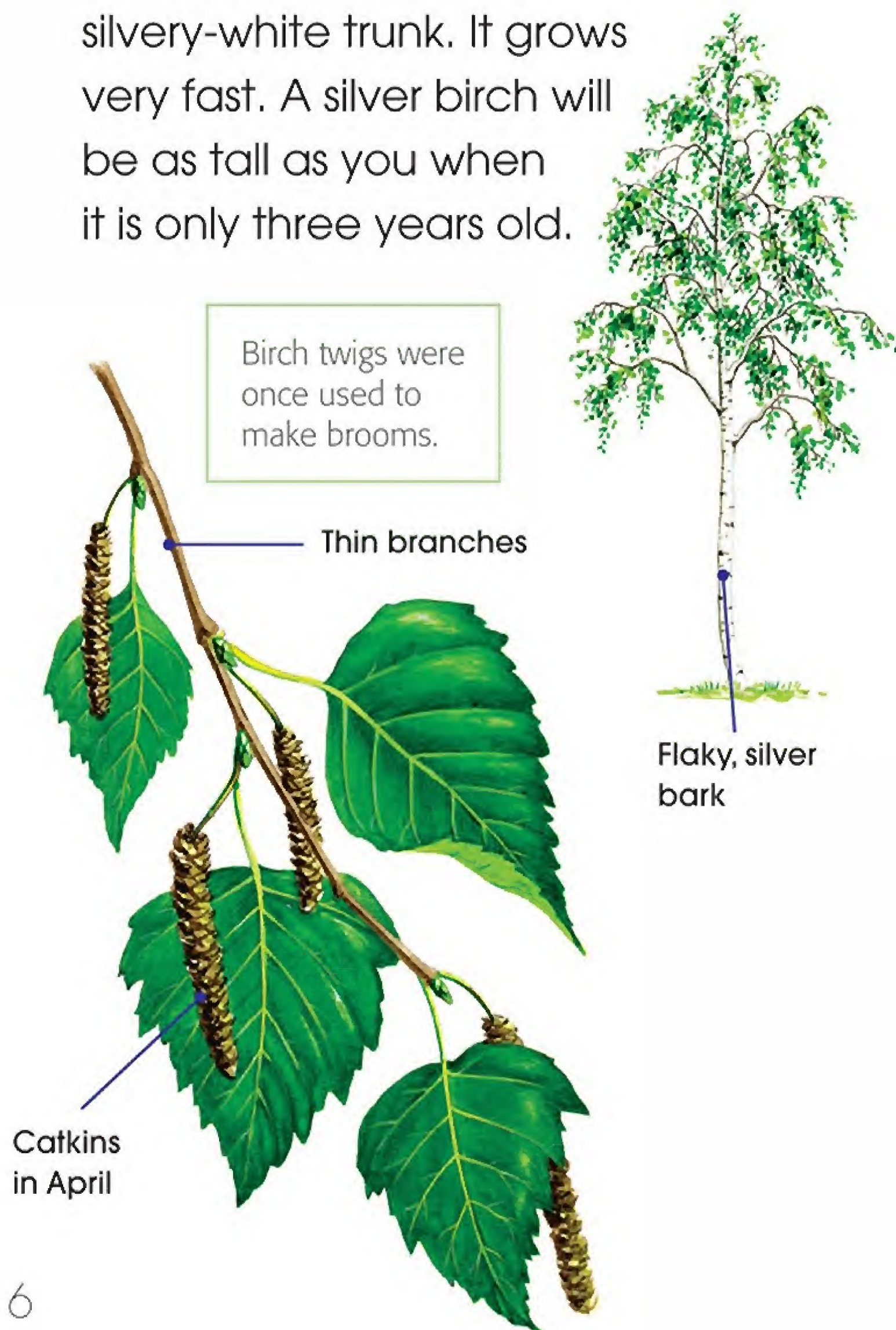
Turn the page to find out more about trees!





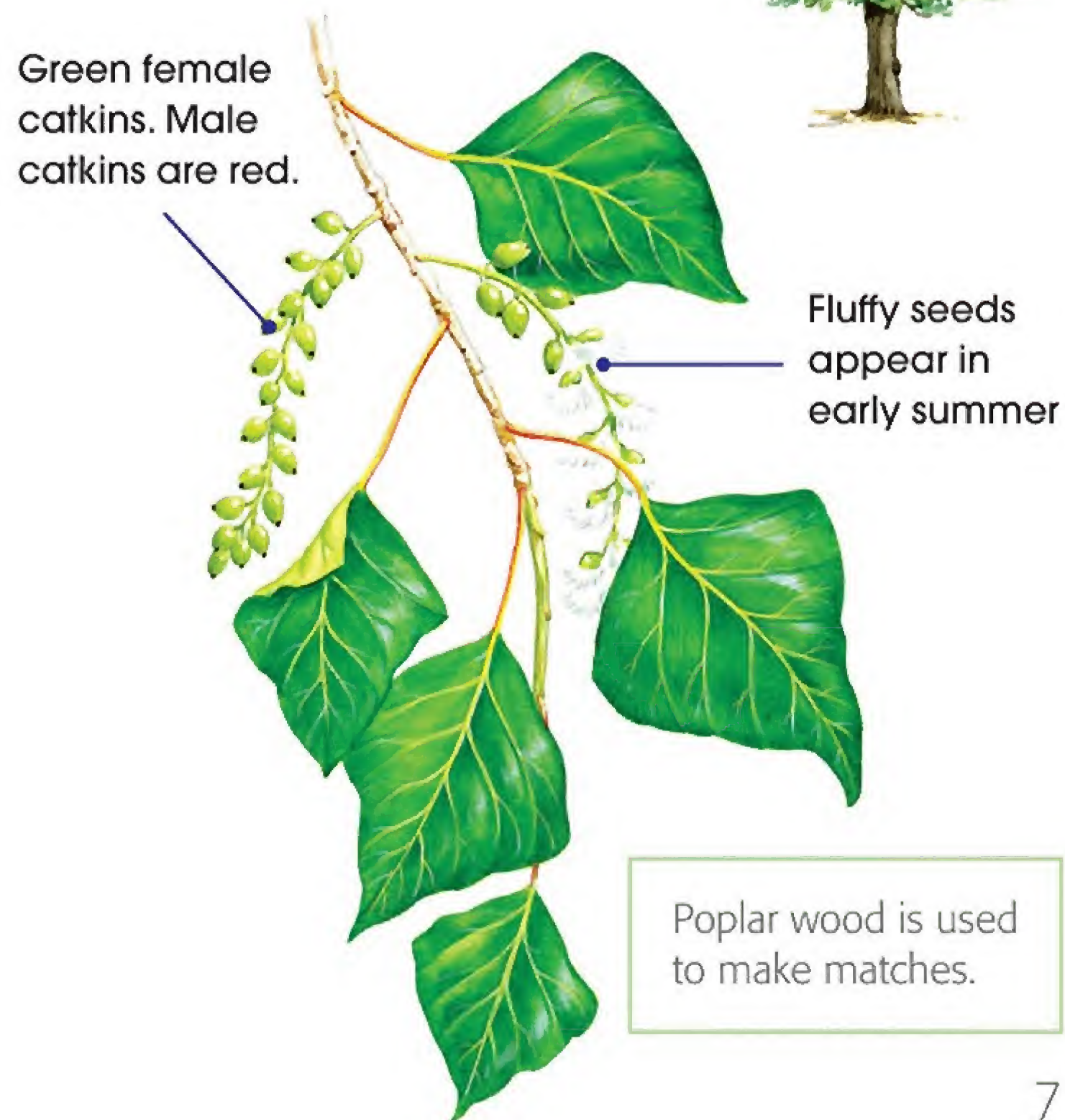
# Silver birch

This tree is named for its silvery-white trunk. It grows very fast. A silver birch will be as tall as you when it is only three years old.



# Black poplar

All poplar trees have broad leaves with very pointy tips. There are male poplar trees and female poplar trees. If there are no male trees nearby, then the females can not make any seeds.







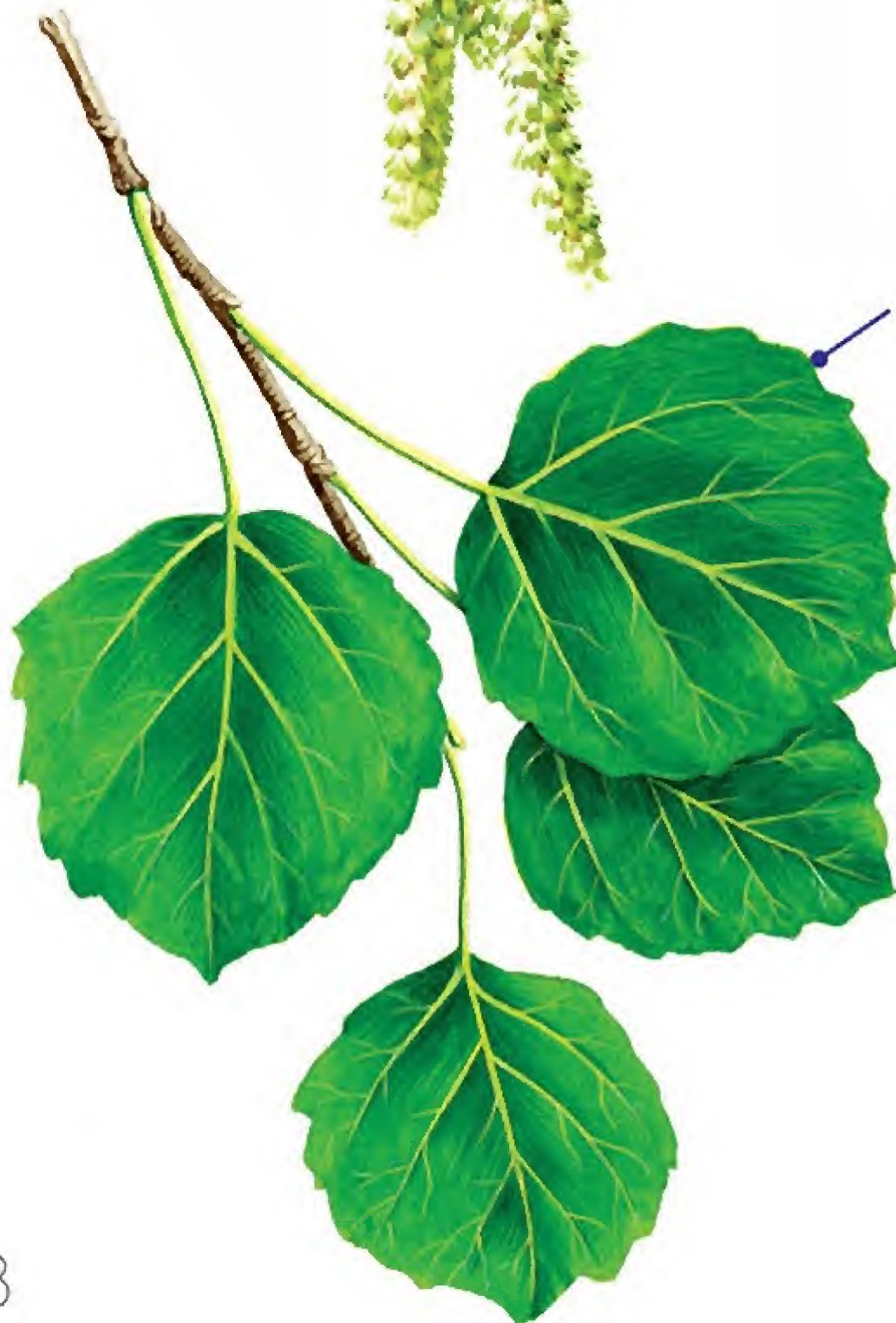
# Aspen

The leaves of this tree flutter in the breeze. If you get close, it sounds like they are whispering.

Female catkins drop fluffy seeds in May



Rounded leaves with jagged edges



# Lime

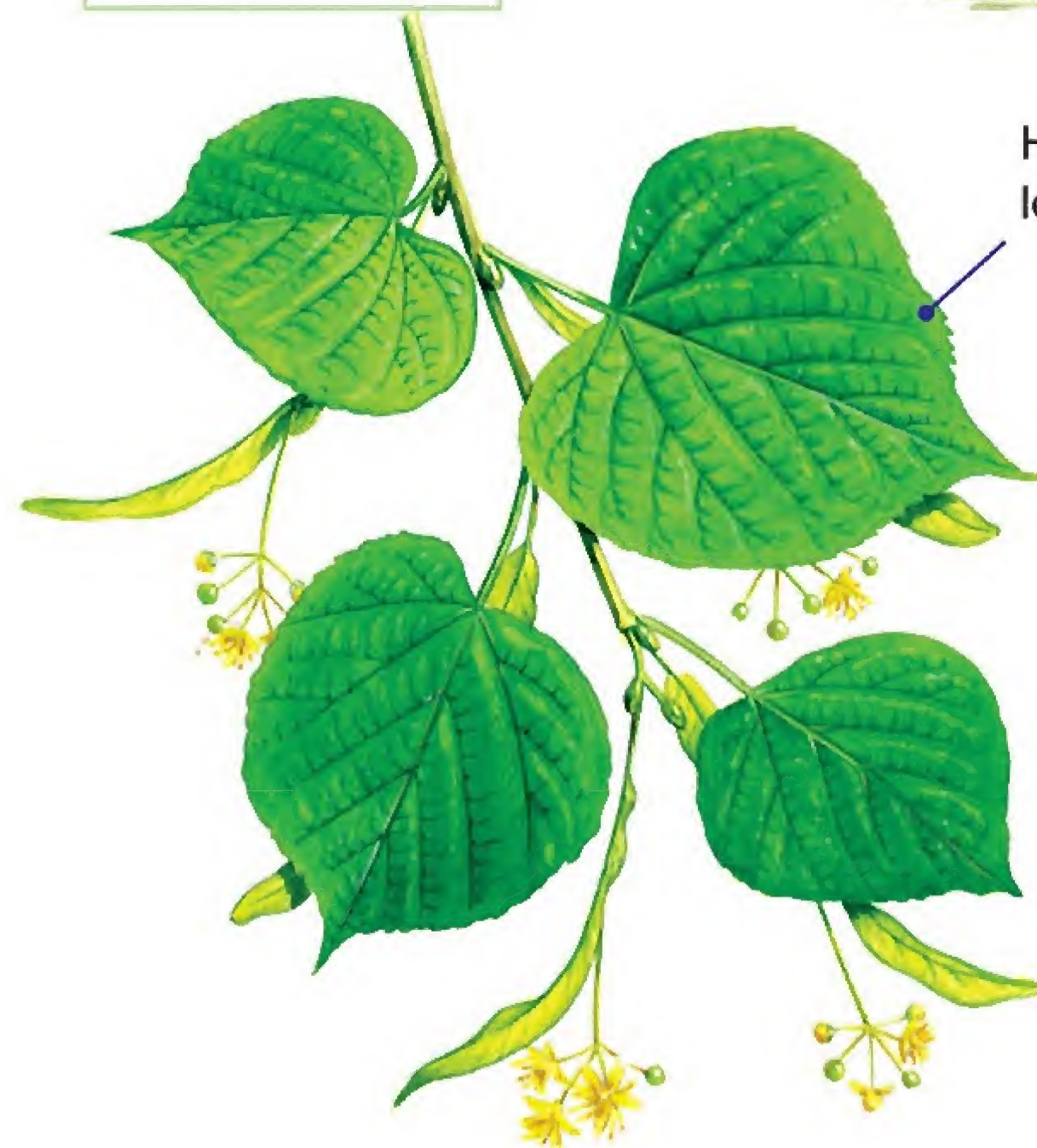
The leaves of this tree look like little hearts. Limes flower in July. Bees love drinking their nectar.

The limes we eat don't come from these lime trees!

A lime tree in winter



Heart-shaped leaves







# Guelder rose

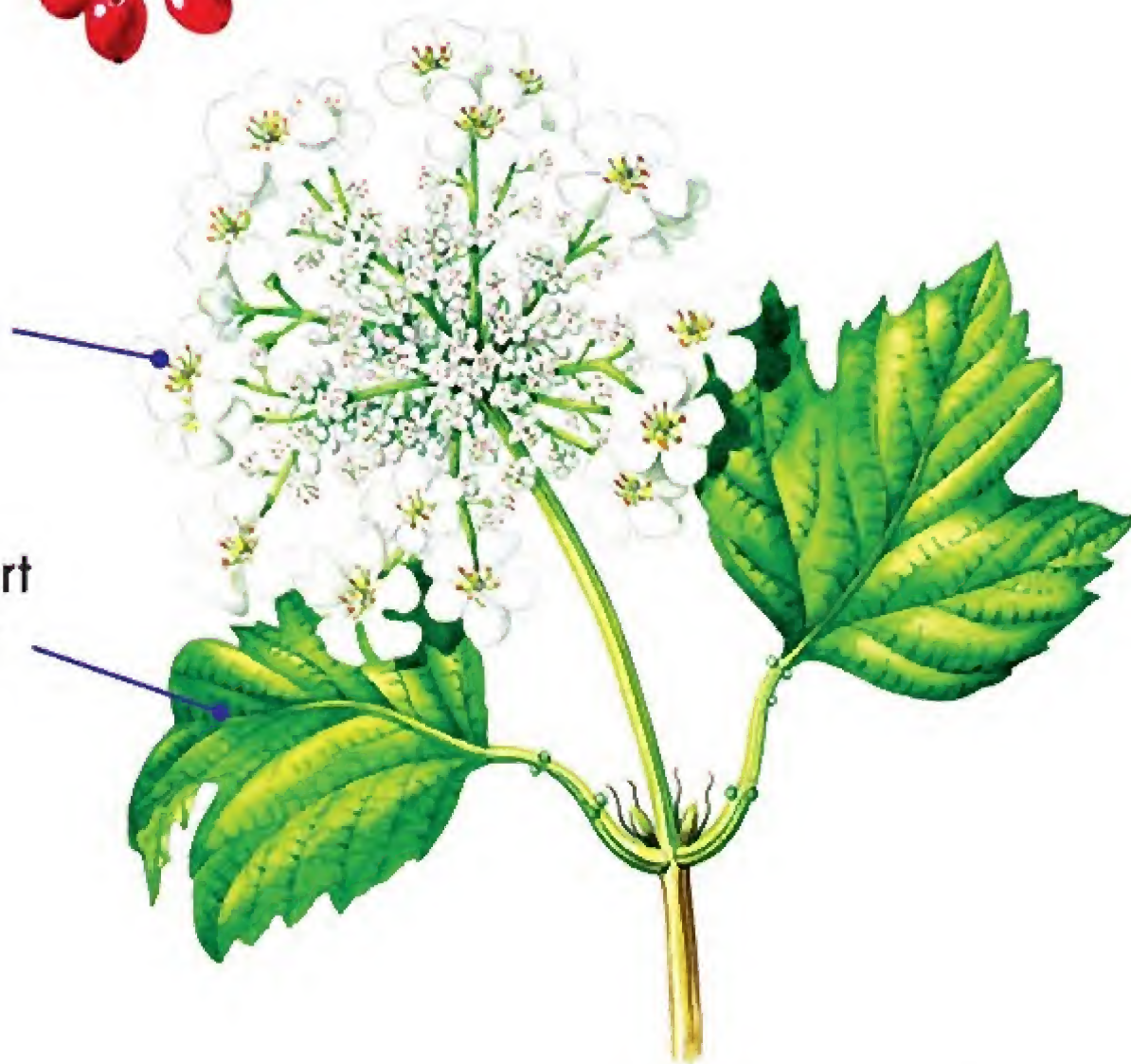
The guelder rose has pretty leaves, flowers and berries. In the wild, it usually grows in damp parts of a wood. People plant this tree in their gardens.



Bright red, shiny berries

White flowers in May and June

Middle part of the leaf sticks out



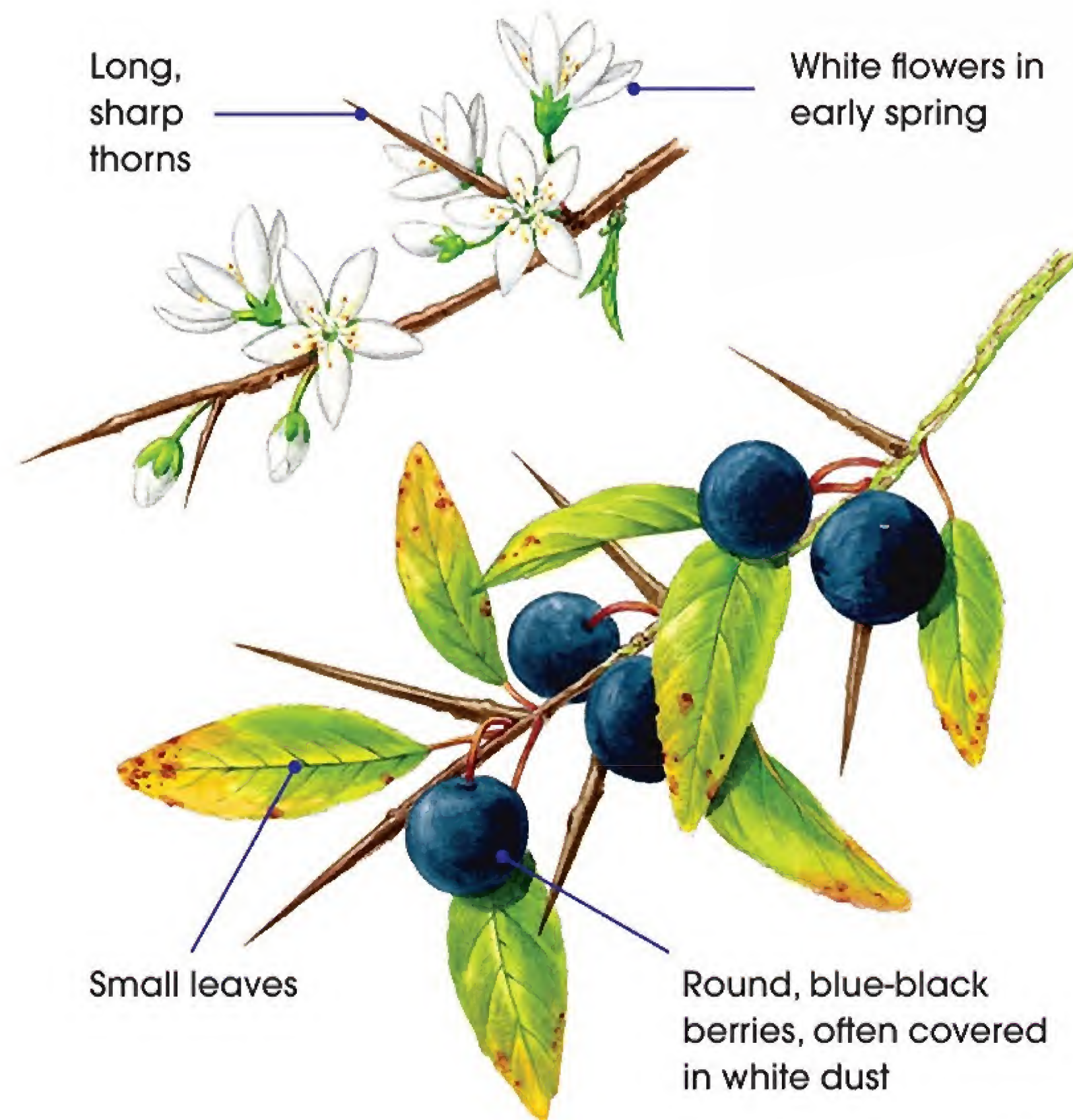
# Blackthorn

This is a very prickly bush – watch out! Look for it growing in hedges. The fruits are called sloes. They taste very sour.



Long, sharp thorns

White flowers in early spring



Small leaves

Round, blue-black berries, often covered in white dust





# Holly

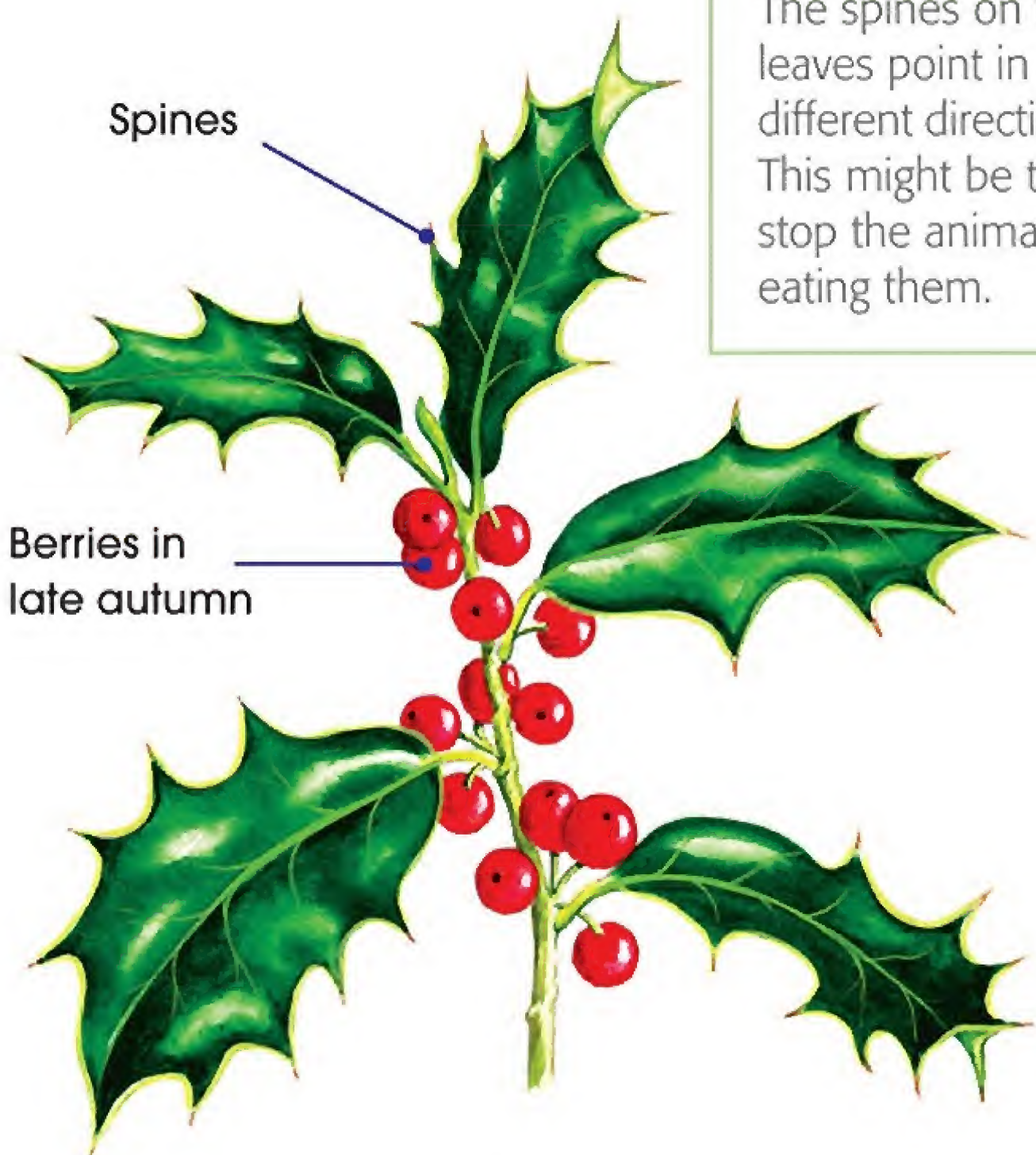
These prickly trees have red berries. You will often see them at Christmas on cards or decorations. Holly leaves stay on the tree all year round.



The spines on the leaves point in different directions. This might be to stop the animals eating them.

Spines

Berries in late autumn



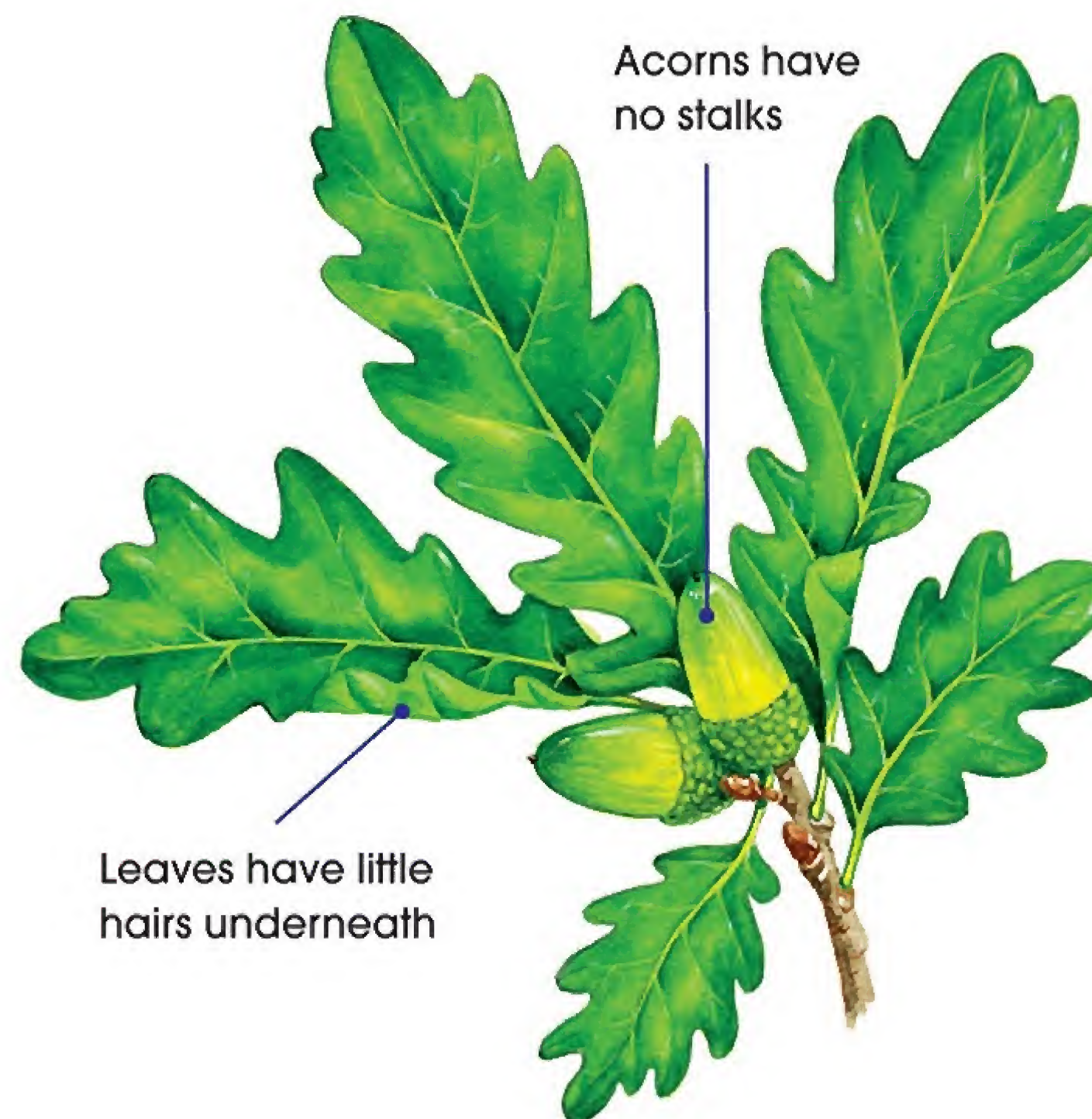
# Sessile oak

The word sessile means without a stalk. The acorns on these trees grow straight out of the twig. Acorns on common oak trees grow on stalks.



Acorns have no stalks

Leaves have little hairs underneath







# Sallow

Another name for this small tree is pussy willow. If you stroke the grey catkins, they feel as soft as a cat's fur. Goldfinches use the fluffy seeds to give their nests a soft lining.



Furry white female flowers (catkins)

Short, pointed leaves with tiny teeth



Hairy underneath

Pussy willow catkins appear in January before the leaves. They turn yellow in March.



# Alder

Look for alder trees next to streams and rivers. They don't mind having their roots under water! You can spot this tree in winter by its little cones.

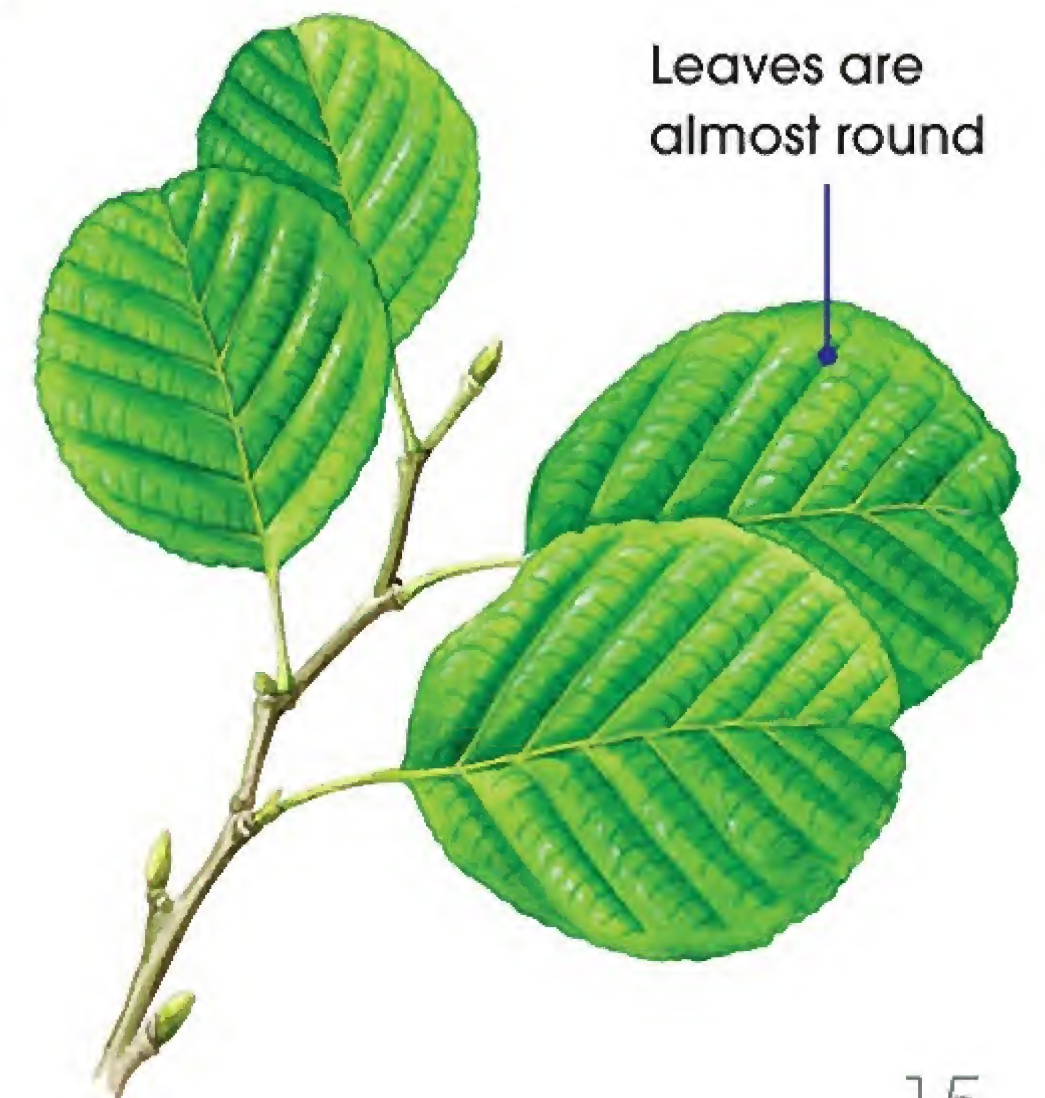


Dark brown bark

Little cones often stay on the tree until the spring



Catkins



Leaves are almost round





# Hazel

Pigeons, jays, squirrels and mice all want to eat the fruit of the hazel tree. And so do we! The hazelnuts on this tree are the same as the ones you can buy in shops.

Often grows as a bush rather than a tree



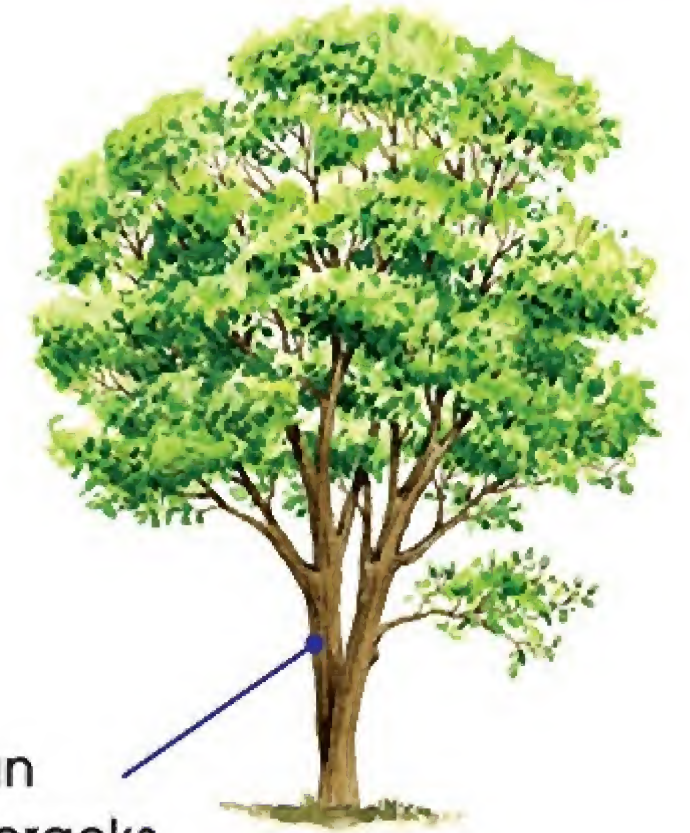
Nuts ripen in their shells in early autumn

Leaves have zig-zag edges

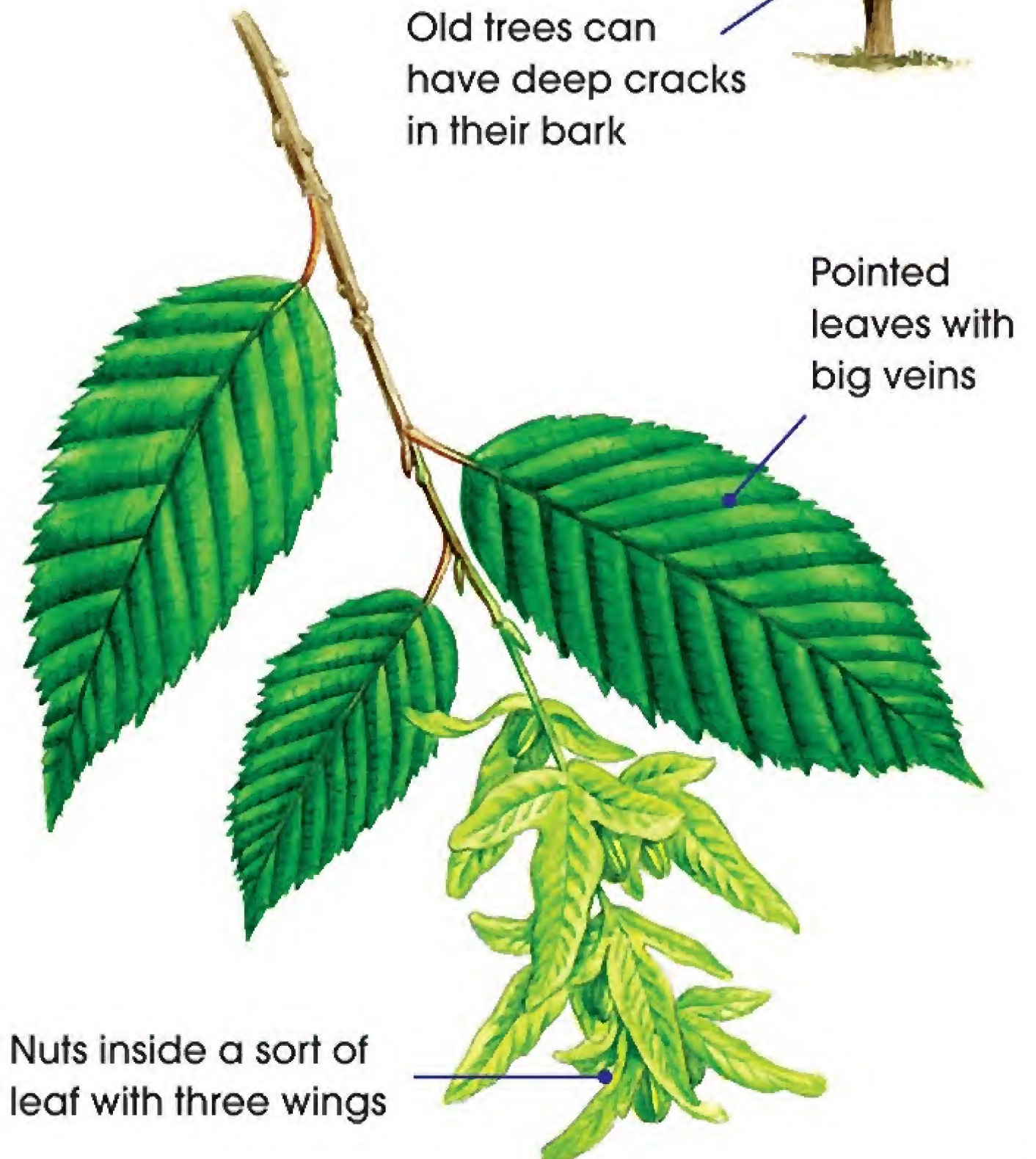


# Hornbeam

The name hornbeam comes from two words meaning hard tree. Its wood is very strong. In autumn, its leaves turn orange and yellow.



Old trees can have deep cracks in their bark



Pointed leaves with big veins

Nuts inside a sort of leaf with three wings





# Beech

You will often find lots of these trees growing together. They have tall trunks and the leaves and branches grow from a long way up.



Wood mice feed on beech nuts in the winter.



Small triangular nuts drop from spiny cases in autumn



Round mark where a branch fell off a long time ago



Wavy-edged, smooth leaves

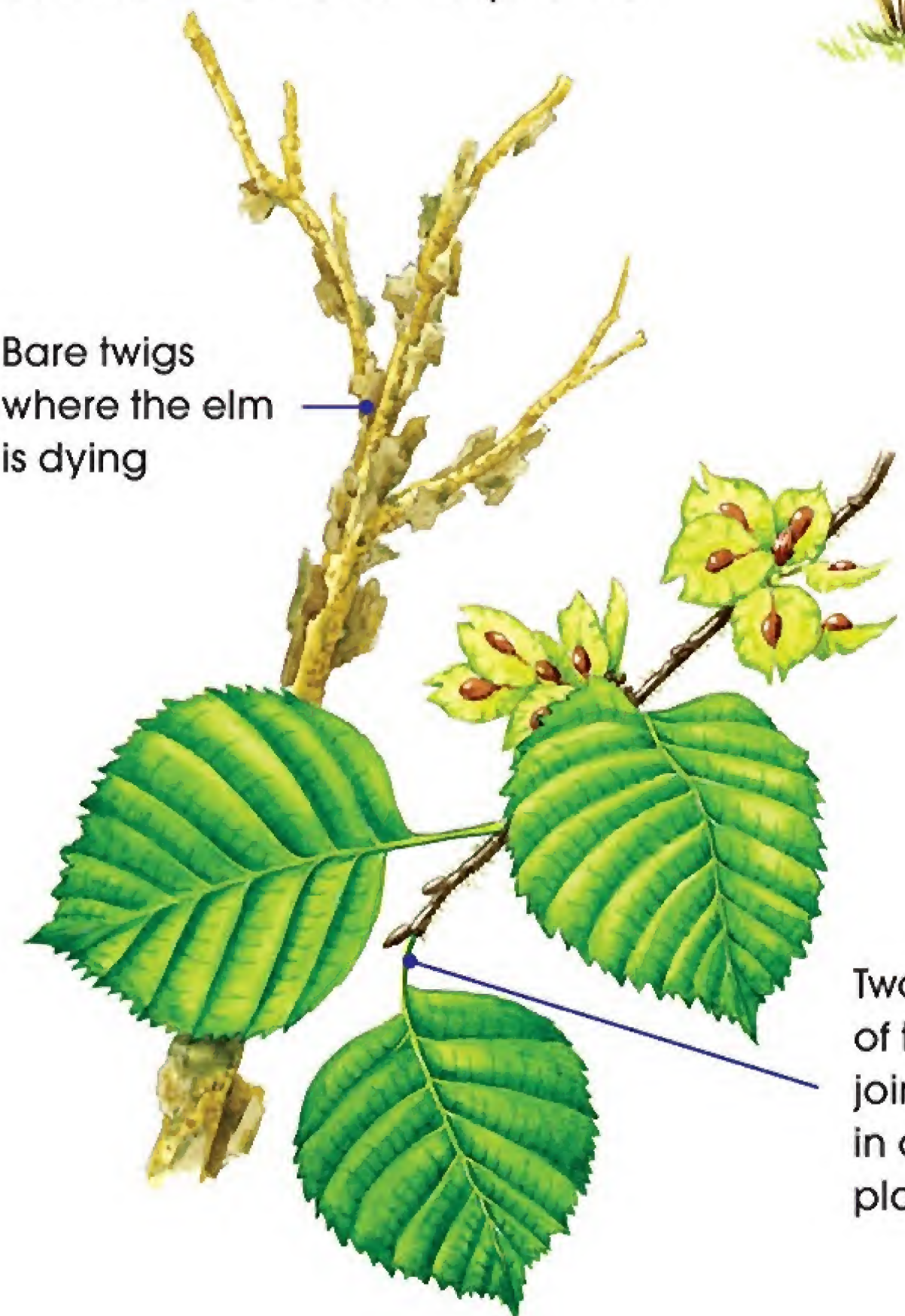


# English elm

This tree does not grow much bigger than a bush. Before it dies, it sends out underground suckers. New elm trees sprout from the suckers to take its place.



Bare twigs where the elm is dying



Two sides of the leaf join the stem in different places.





# Crab apple

This is the oldest apple tree.  
We can eat the apples,  
but they are small,  
hard and bitter.



White blossom  
in spring



Sharp thorns  
on twigs



Apples turn red or  
yellow as they ripen



# Wayfaring tree

You will usually find these  
little trees in hedges and  
at the edges of woods.  
Look for their white  
flowers in spring.

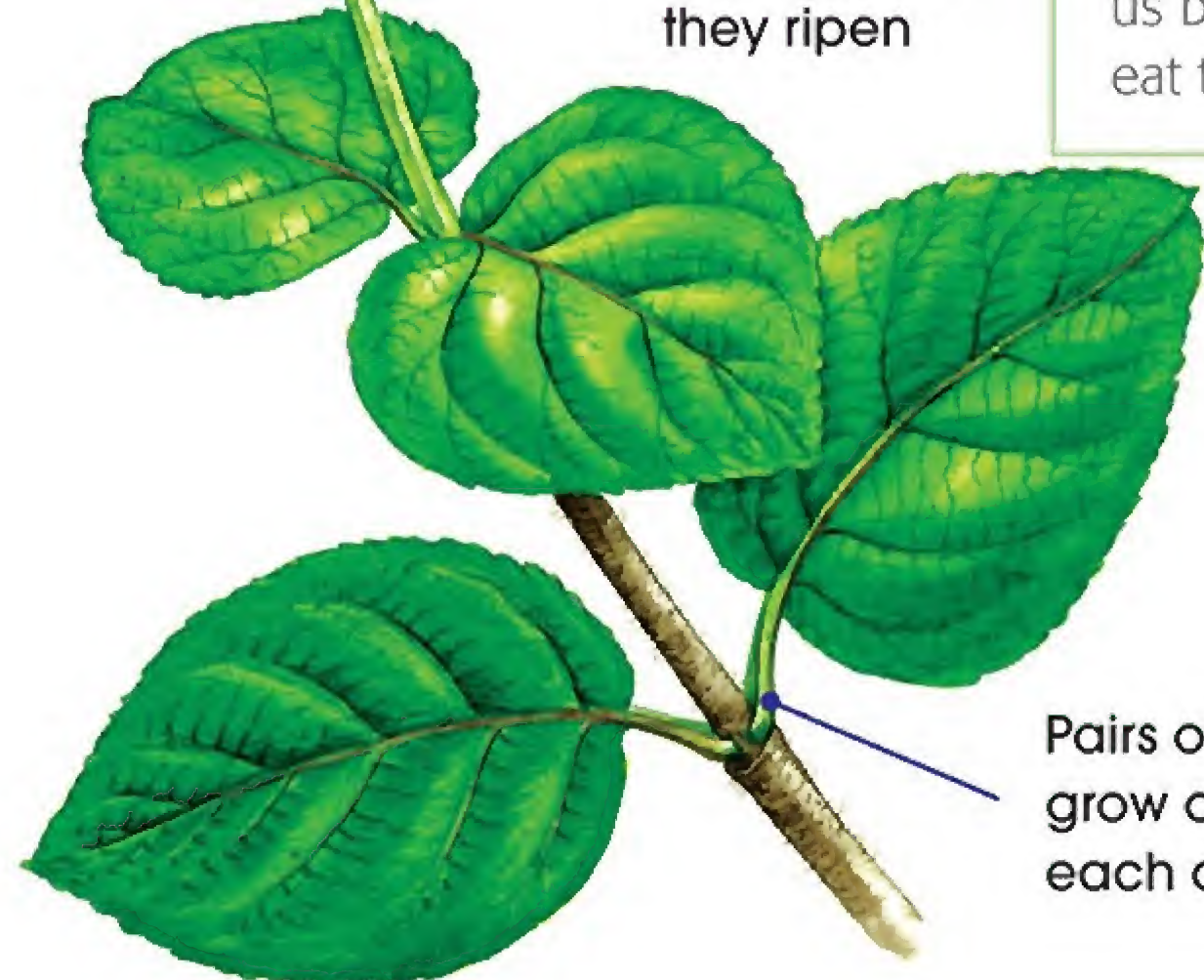


Dozens of little  
flowers close  
together.



Red berries  
turn black as  
they ripen

The berries  
on this  
tree taste  
horrible to  
us but birds  
eat them.



Pairs of leaves  
grow opposite  
each other





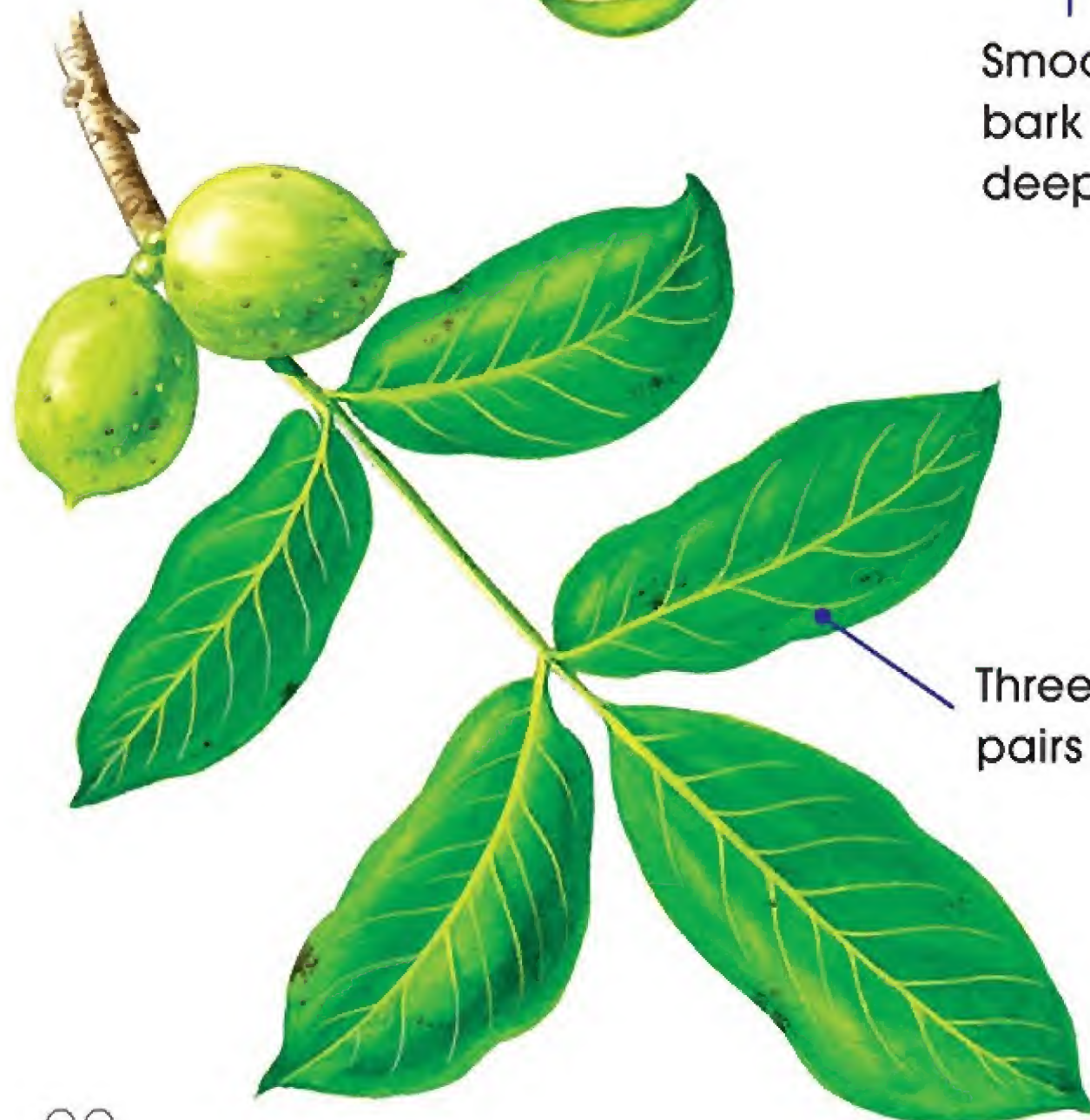
# Walnut

The crinkly nuts that we buy from shops come from the walnut tree. This tree was brought to this country a long time ago and now some grow in the wild.



Smooth bark with deep cracks

Each round green fruit contains a walnut



Three or four pairs of leaves

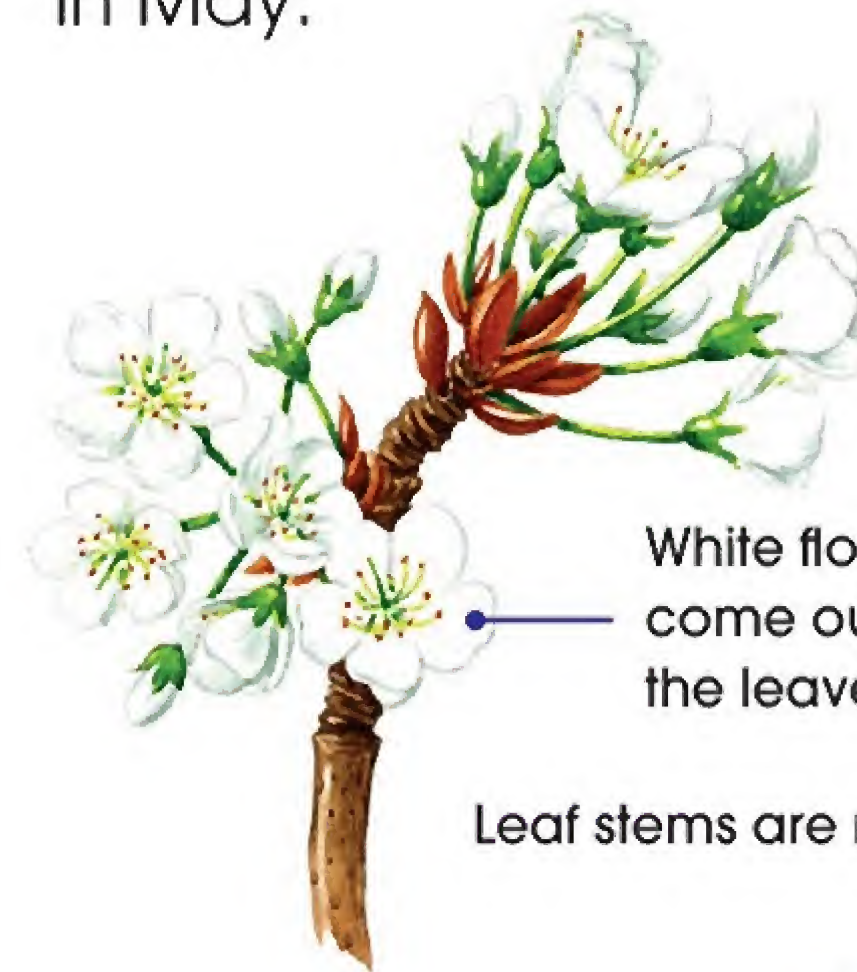


# Cherry

Look for white cherry blossom in spring. Wild cherry trees flower in April. Bird cherry trees flower in May.

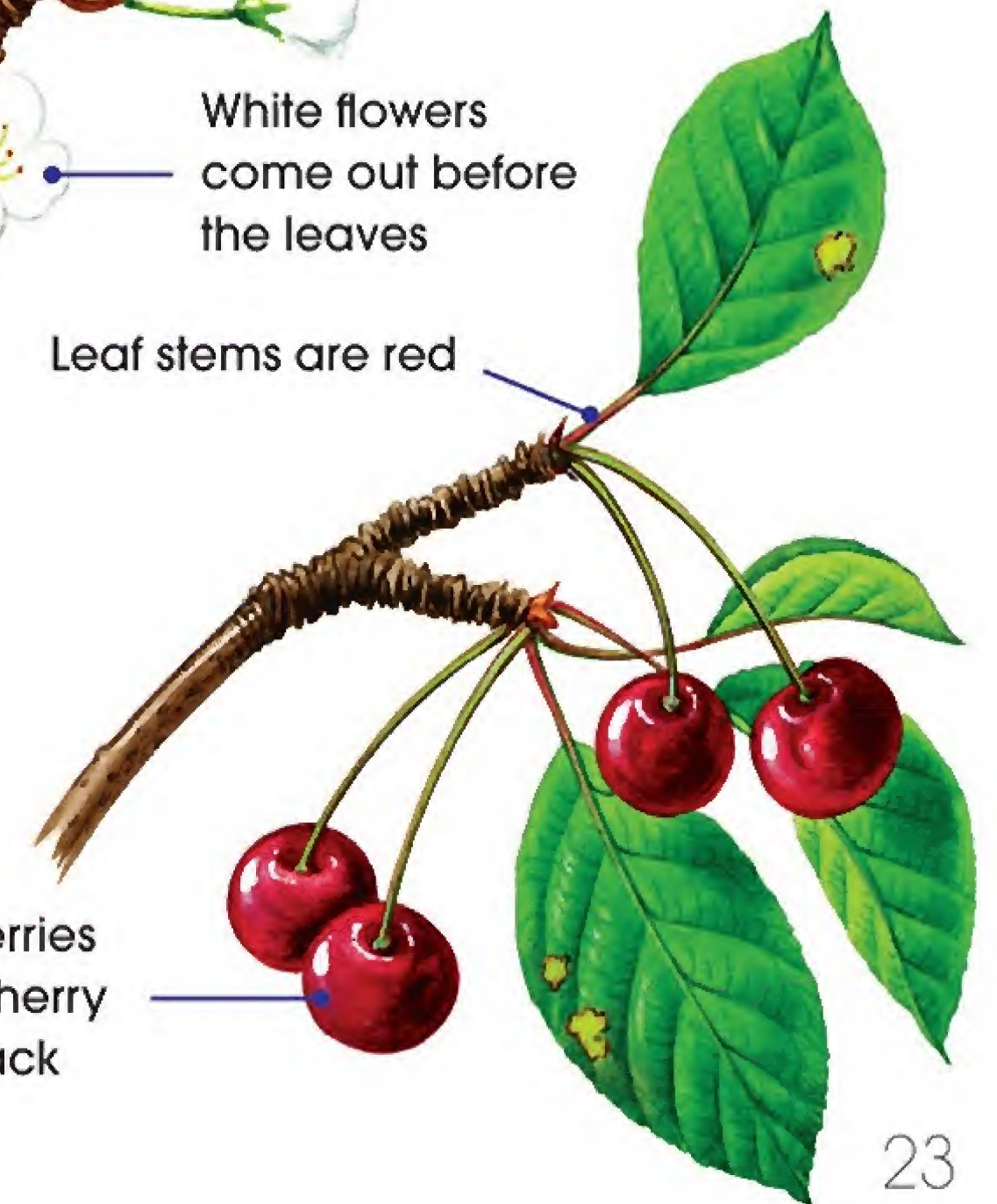


Cherry bark splits into thick bands around the tree



White flowers come out before the leaves

Leaf stems are red



Wild cherry berries are red. Bird cherry berries are black



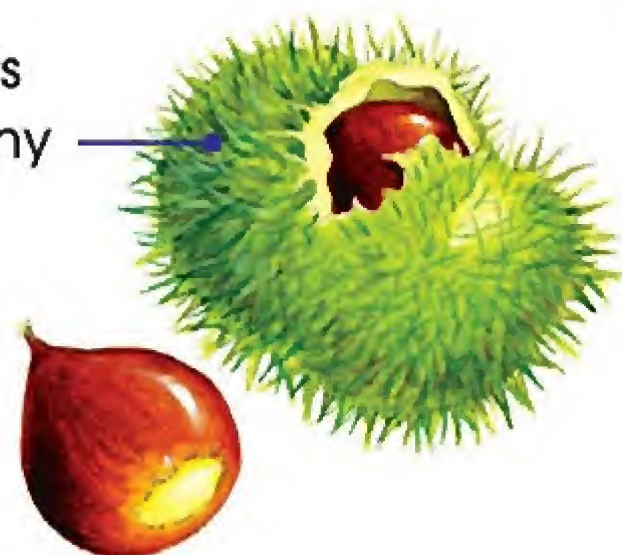


# Sweet chestnut

The Romans brought the sweet chestnut to Britain. But they did not realise it would be too cold here for this tree. That is why our chestnuts do not grow very big.



Chestnuts have spiny shells



Bark has cracks that twist round the tree

Long leaves with jagged edges



# Willow

Willow trees have long, thin leaves and live in wet places. When they are old, their trunks often crack open.



Grey bark

Female catkins turn into white flowers in July



Long, yellow male catkins in early spring

Willow branches are often cut at the top of the trunk. It makes the trees live longer. New branches will grow back.





# Sycamore

This huge tree can be wider than it is tall. It produces lots of giant leaves and seeds. Sycamores were brought here from other countries.



Seeds have little wings to help them fly away

Smooth grey bark turns brown and cracks as the tree gets older

Leaves bigger than your hand



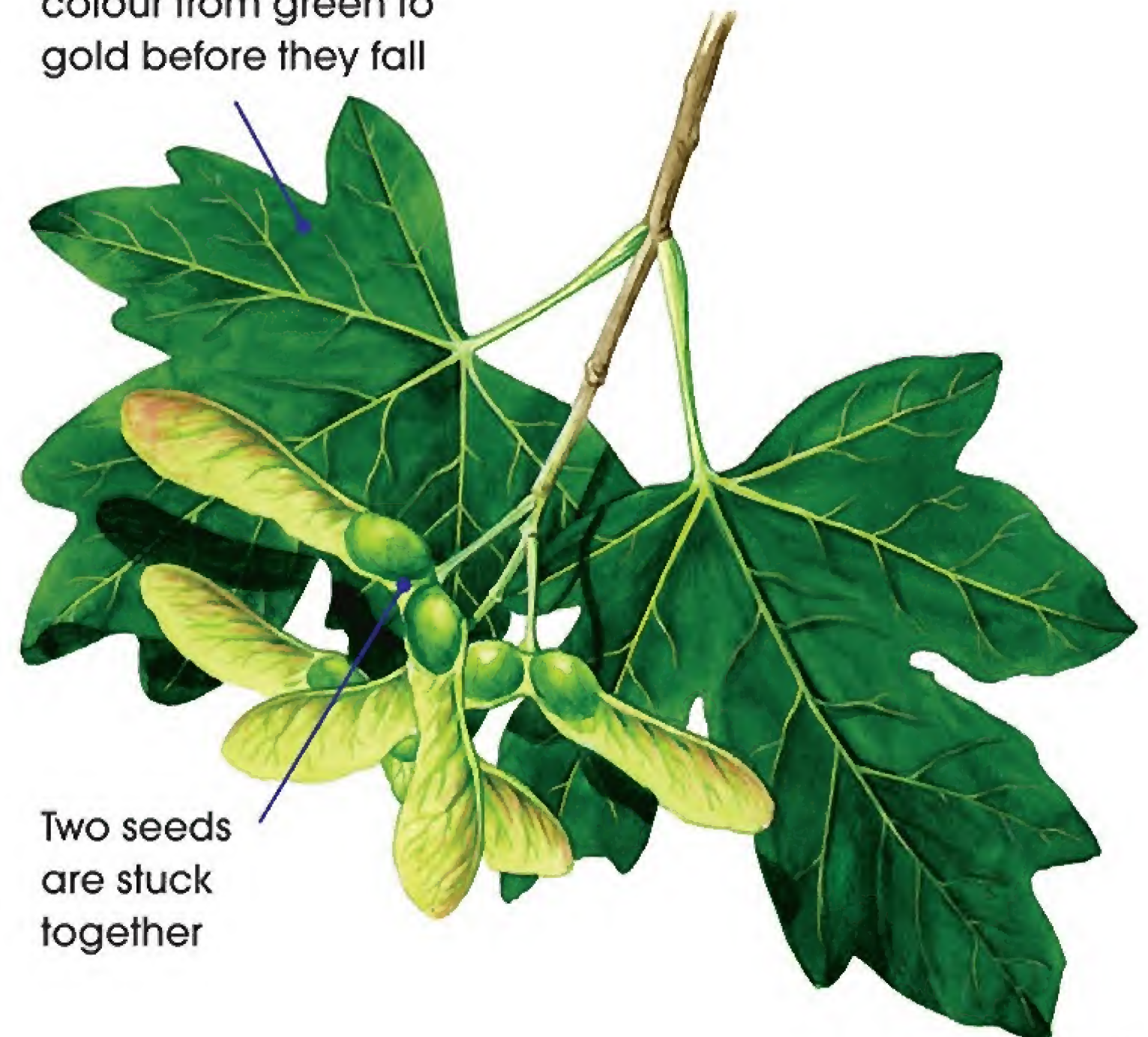
# Field maple

Look for the gold and yellow leaves of field maple in woods in autumn. All of the trees in the maple family have lovely autumn colours.



Small, round-headed tree

Leaves have rounded edges. They change colour from green to gold before they fall



Two seeds are stuck together





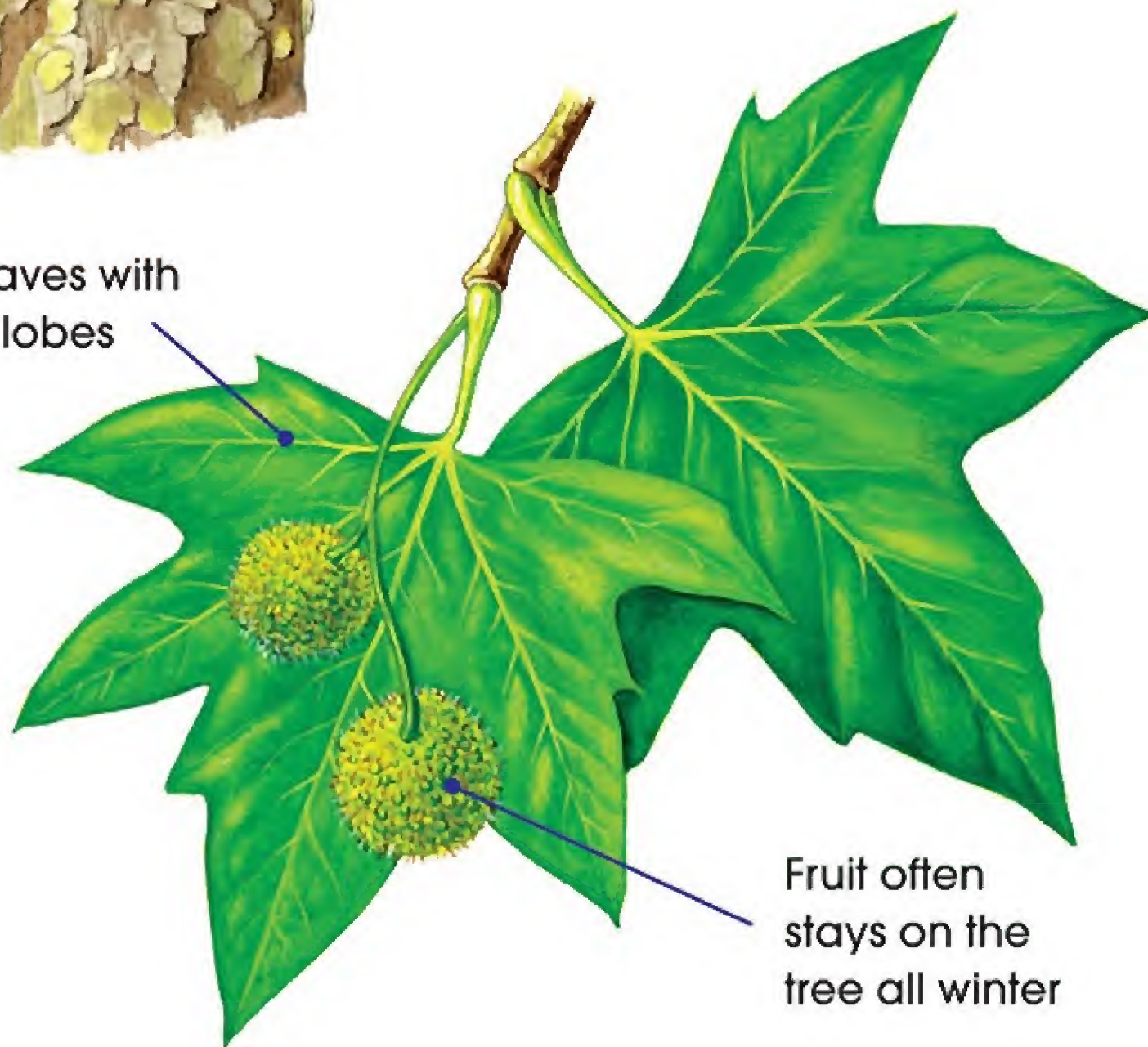
# London plane

This tall tree is found in London's streets and squares, and in other towns and cities too. Look for the patchy bark on the trunk.



Bark with yellow and brown patches

Big leaves with deep lobes



Fruit often stays on the tree all winter



# Hawthorn

Prickly hedges in the countryside are often made of hawthorn bushes. Hawthorn can also grow into a tree. They have white or pink flowers and red berries.



Rough bark with lots of cracks

Small leaves

Lots of white flowers in spring



Red berries in autumn



Sharp thorns

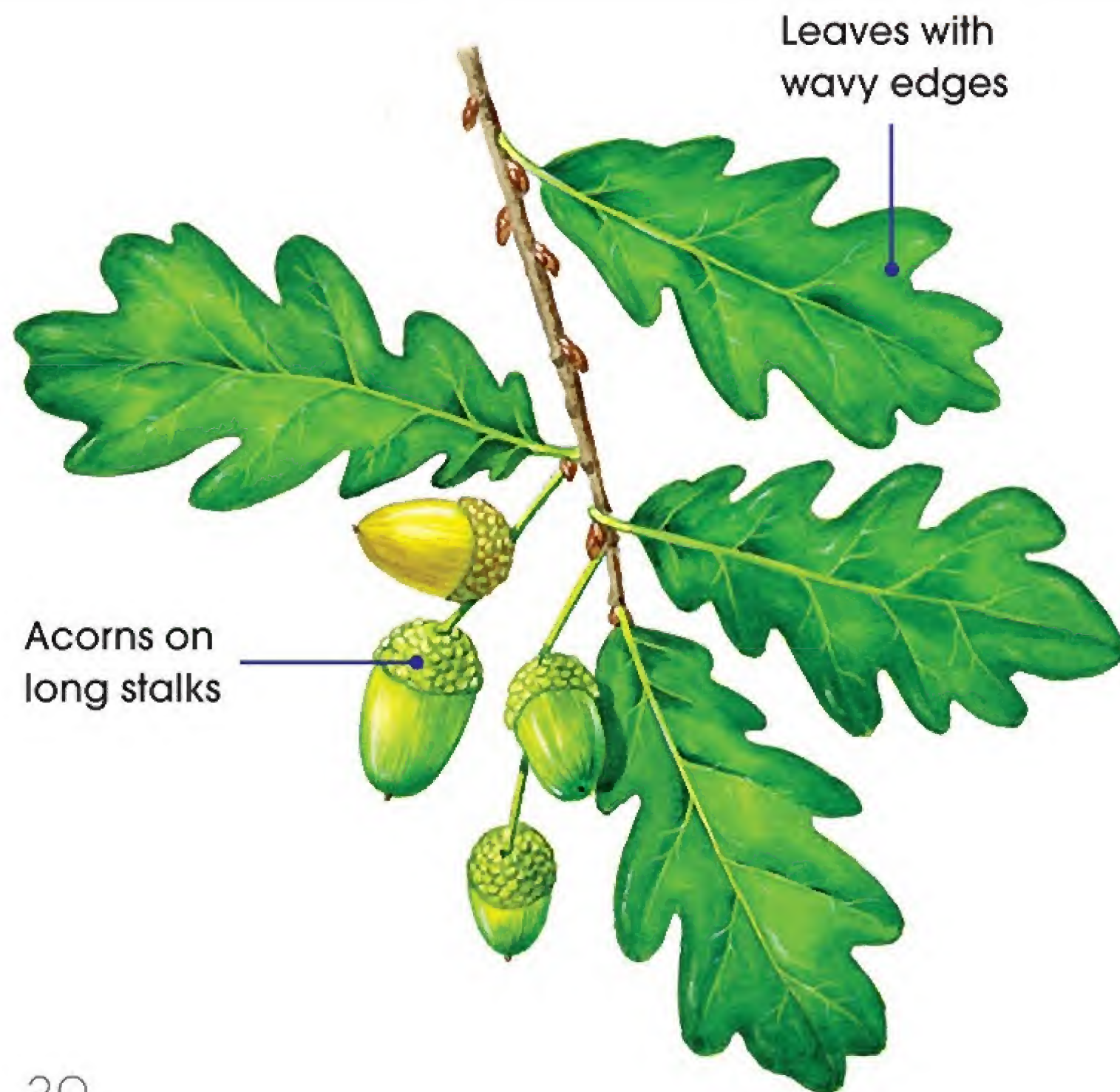
Hawthorn is sometimes called the May tree because its white flowers come out in that month.





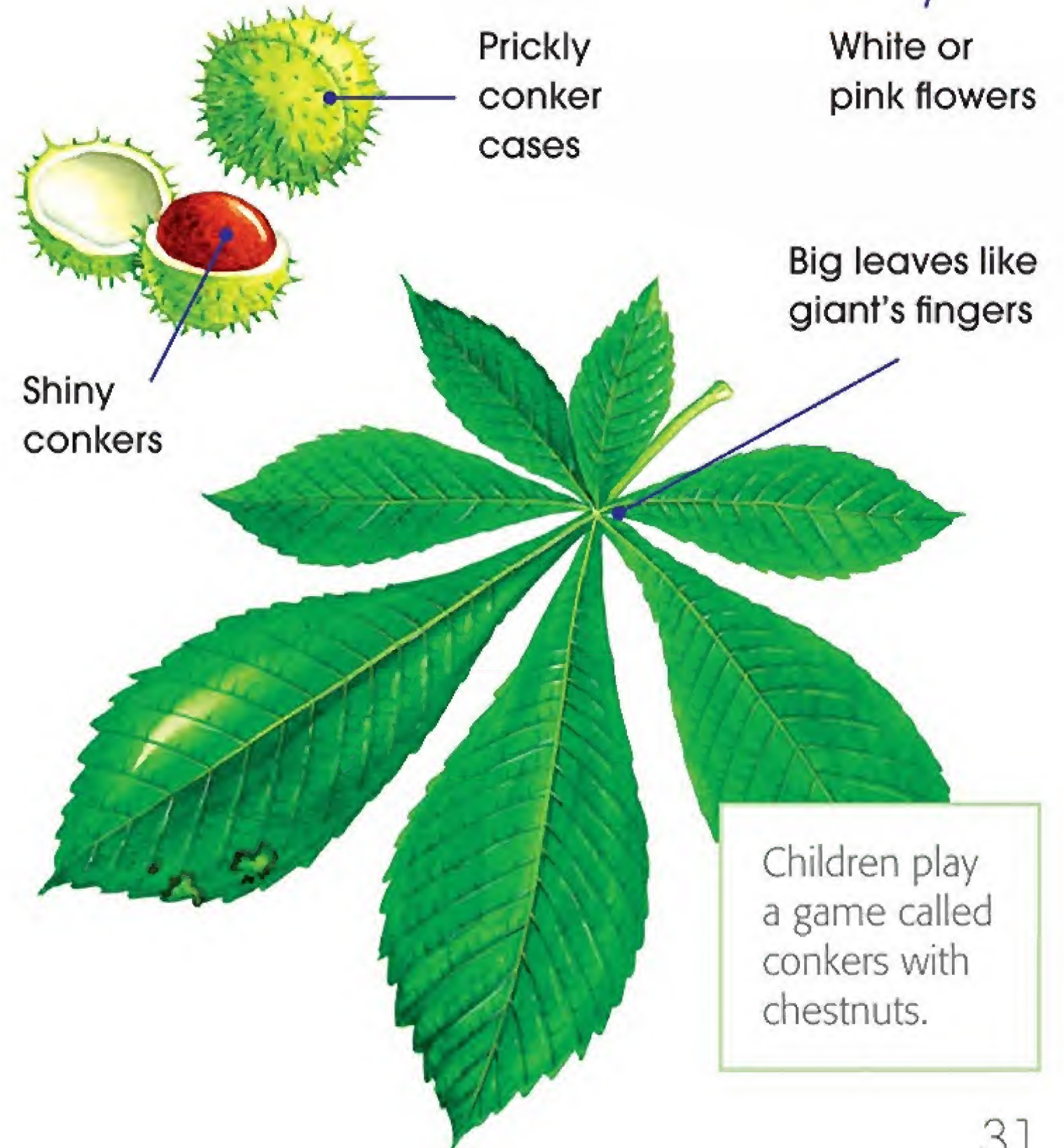
# Common oak

Oak trees grow from little acorns into some of the biggest trees in the wood. They can have very thick trunks and live for hundreds of years.



# Horse chestnut

This is a very big tree. In spring, it has big flowers that stick up like white candles. In autumn, it has shiny nuts called conkers.







# Ash

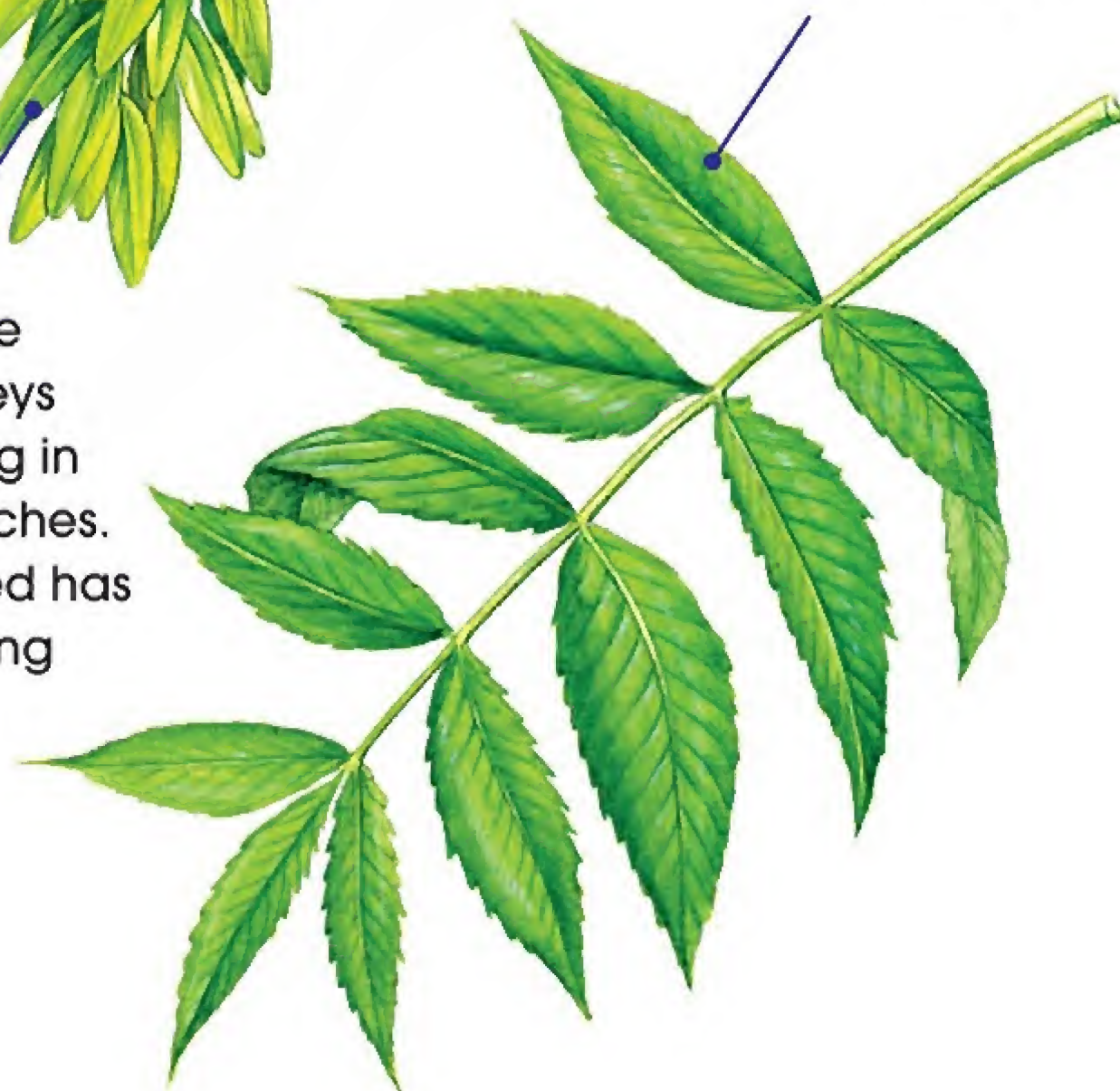
Ash is a very tall tree. In winter, look out for the black buds on the tips of its twigs.



Black buds



Long, slim leaves come out in May

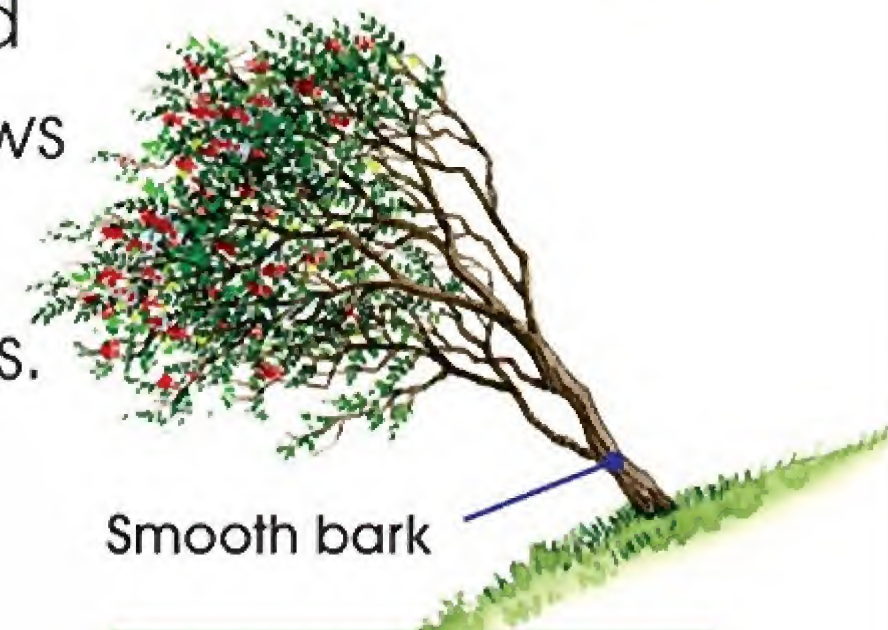


Seeds are called keys and hang in little bunches. Each seed has a little wing



# Rowan

This tree is also called mountain ash. It grows higher up the hills than most other trees. People plant it in their gardens too.



Smooth bark

Bright red berries in autumn



Rowans used to be planted in gardens and churchyards to scare away witches!

Small leaves with little pointed teeth







# Elder

You will find elder in all sorts of places. Birds eat the berries and spread the seeds in their droppings. Most elders only grow as big as a bush.



White flowers in early summer have a fresh smell

Black berries in big bunches



Leaves on stalks



# Larch

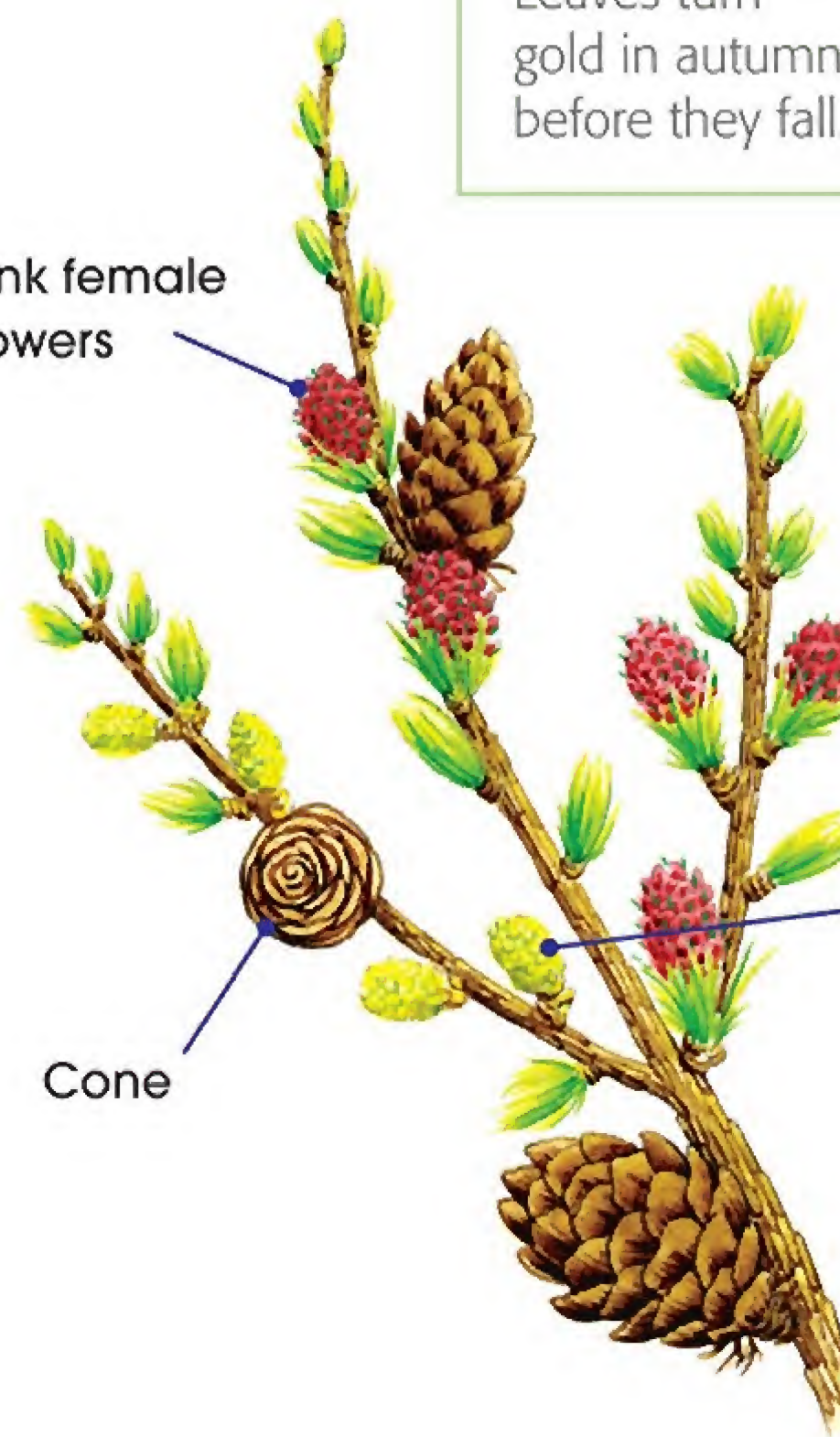
The larch has leaves that look like needles, just like other trees called conifers. But the larch is the only conifer that drops all of its leaves in winter.



A larch in winter

Leaves turn gold in autumn before they fall.

Pink female flowers



Yellow male flowers

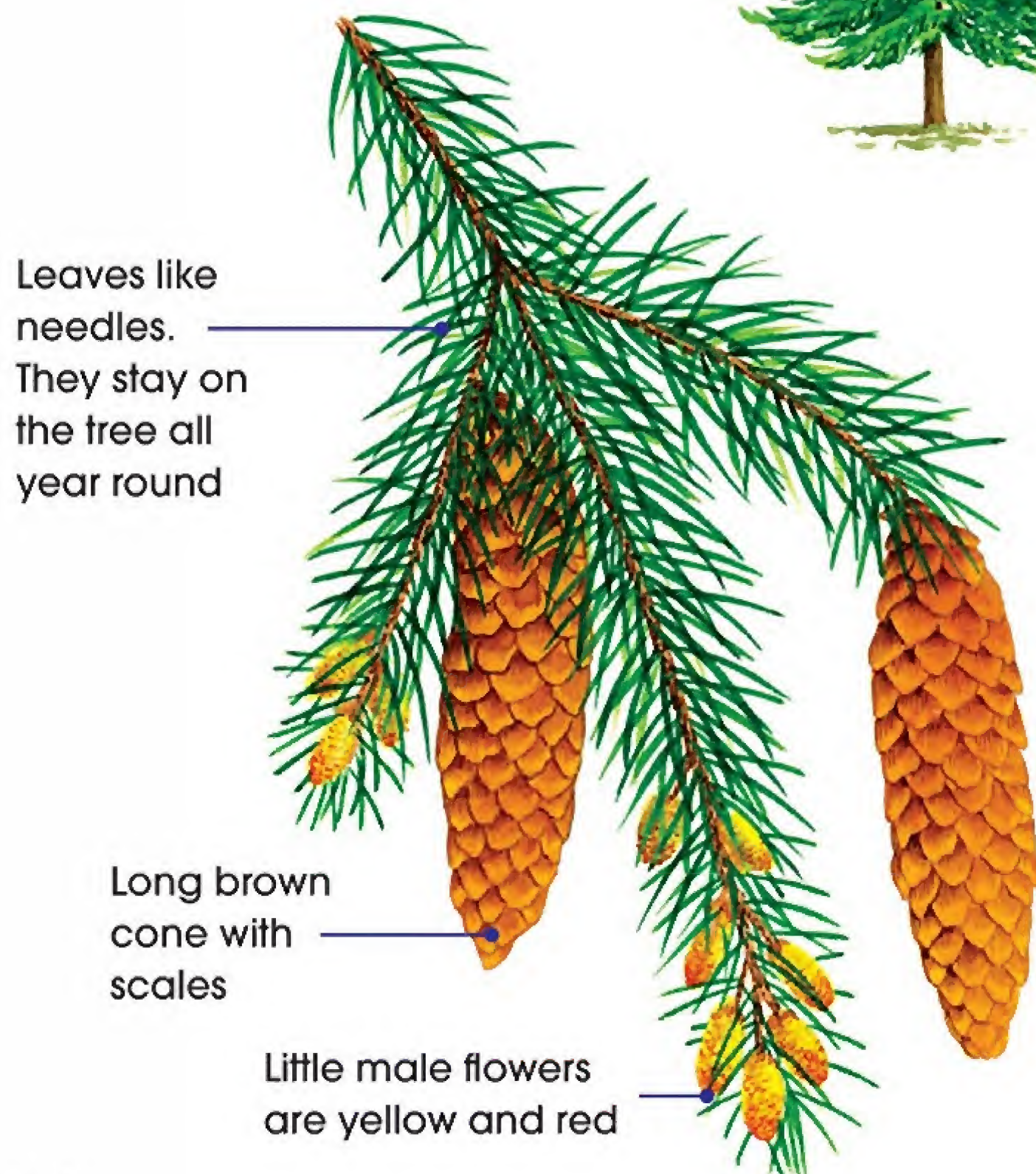
Cone





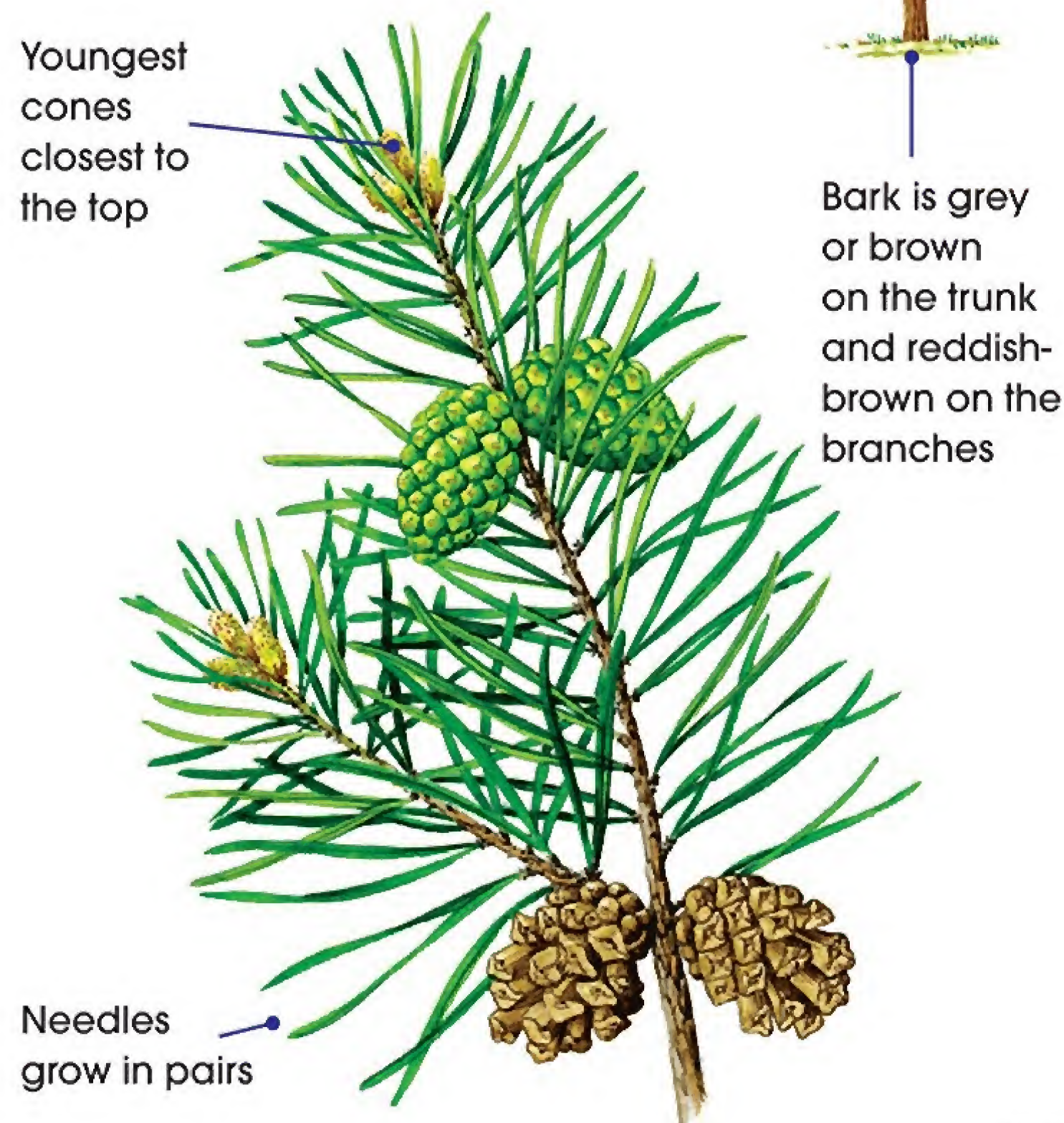
# Spruce

Your Christmas tree is probably a spruce. Spruce trees originally grew in northern countries. Now they are also grown here in big woods.



# Scots pine

These trees can live for a long time – about 250 years. As they grow old, their trunks get much thicker. The very old trees are known as granny pines.







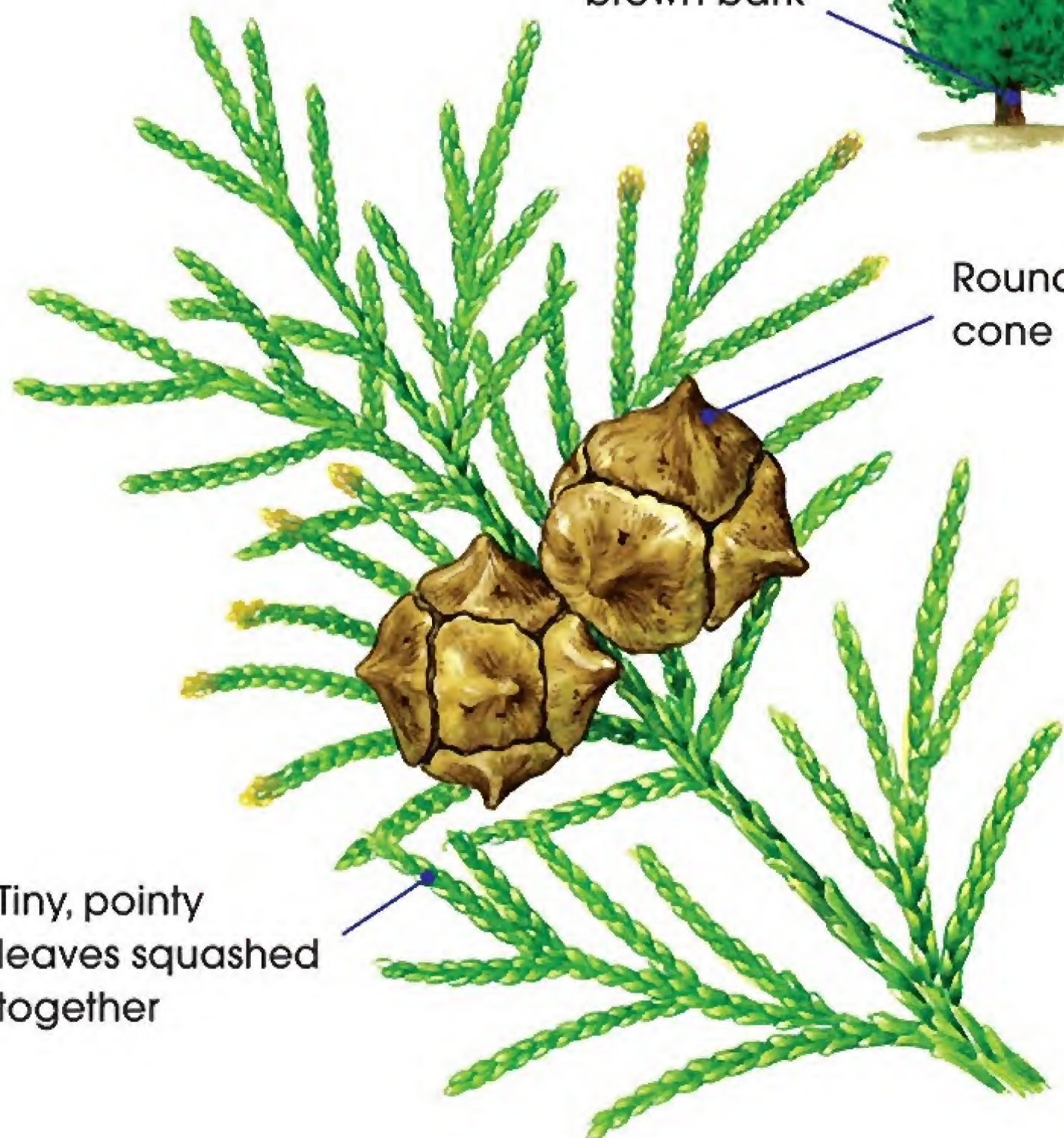
# Leyland cypress

Leyland cypress trees are often grown as garden hedges. Sometimes they do turn into proper trees. They can grow taller than you in one year!

Reddish-brown bark



Round cone



Tiny, pointy leaves squashed together



# Cedar

This giant tree often grows in parks or in big gardens. It keeps its needles through the winter.



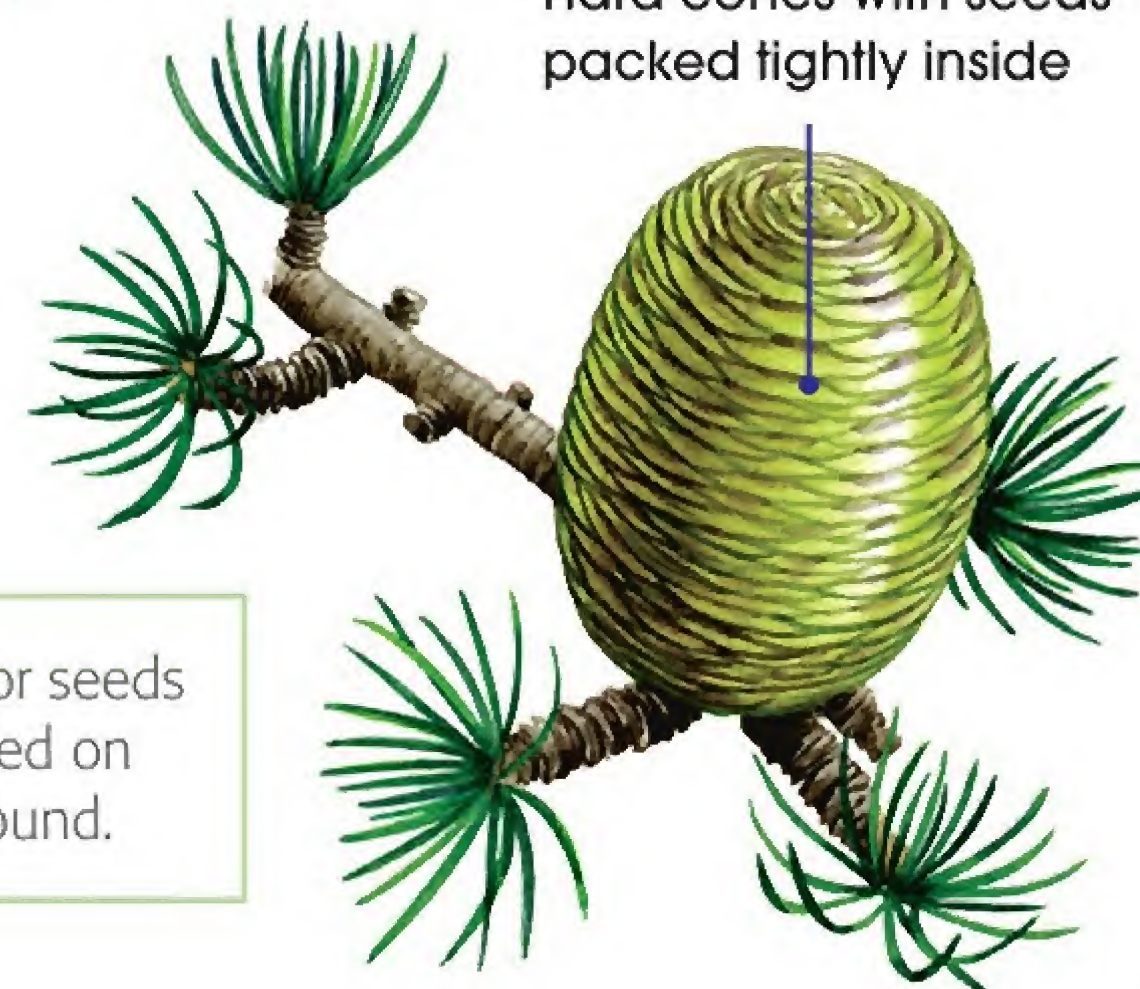
Huge branches

Dark green needles



Seeds drop out one by one when the cone is ripe. They leave a bare stalk on the tree.

Hard cones with seeds packed tightly inside



Look for seeds scattered on the ground.





# Yew

The yew can live longer than any other tree in Britain. Some yew trees are over a thousand years old. It has pretty berries but they are very poisonous to us.



Dark green needles

Light brown, flaky bark



Unripe green berries



Ripe red berries

## Useful words

**blossom** a tree's flowers

**bud** small growth on a plant that turns into a leaf, flower or shoot

**conifer** evergreen tree that keeps its leaves in the winter

**nectar** the sweet liquid that flowers make to attract insects

**needles** sharp, pointed leaves of evergreen trees

**nut** fruit with a hard shell

**pollen** tiny grains that are made in the male parts of a flower

**sapling** young, skinny tree



# Spotter's guide

How many of these trees have you seen?



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